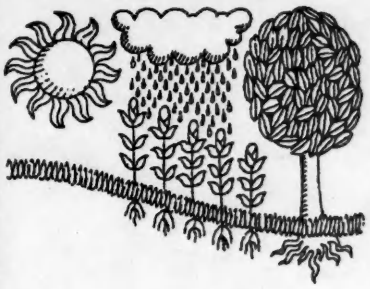

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

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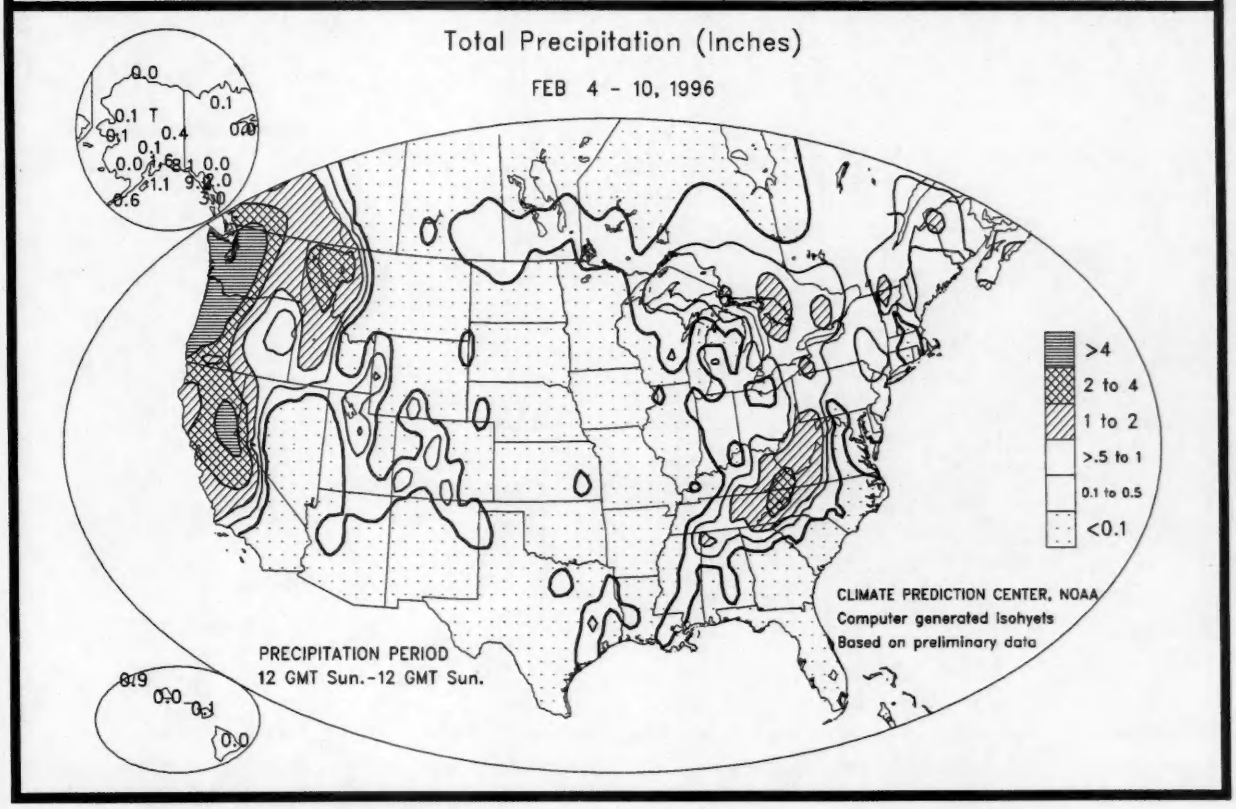

HIGHLIGHTS

February 4 - 10, 1996

Arctic air eroded rapidly from the **Plains eastward**, but not before setting nearly 200 additional daily-record lows between Sunday and Tuesday and delivering the season's most severe freeze to **Peninsular Florida** on February 5. Meanwhile, Pacific warmth and moisture overspread the **Northwest**, sparking rain- and snowmelt-induced flooding. From midweek onward, more than 75 daily-record highs were set from the **West Coast** to the **Plains**. In winter wheat areas, the return to warmth produced 1-week temperature swings of 70 to 105°F and melted protective snow cover from the **northern Plains** and **Northwest**. Dry, breezy weather brought additional stress to wheat in the **central and southern Plains**, where precipitation since October 1, 1995, has averaged 25 to 50 percent of normal.

(Continued on back cover)

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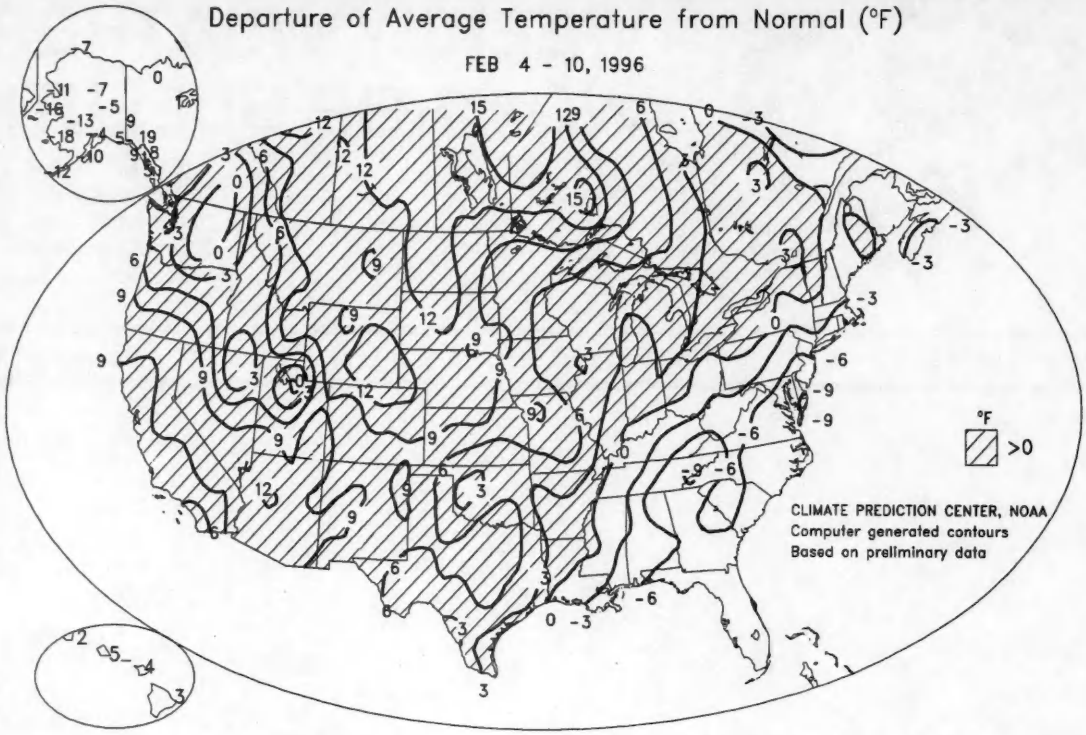
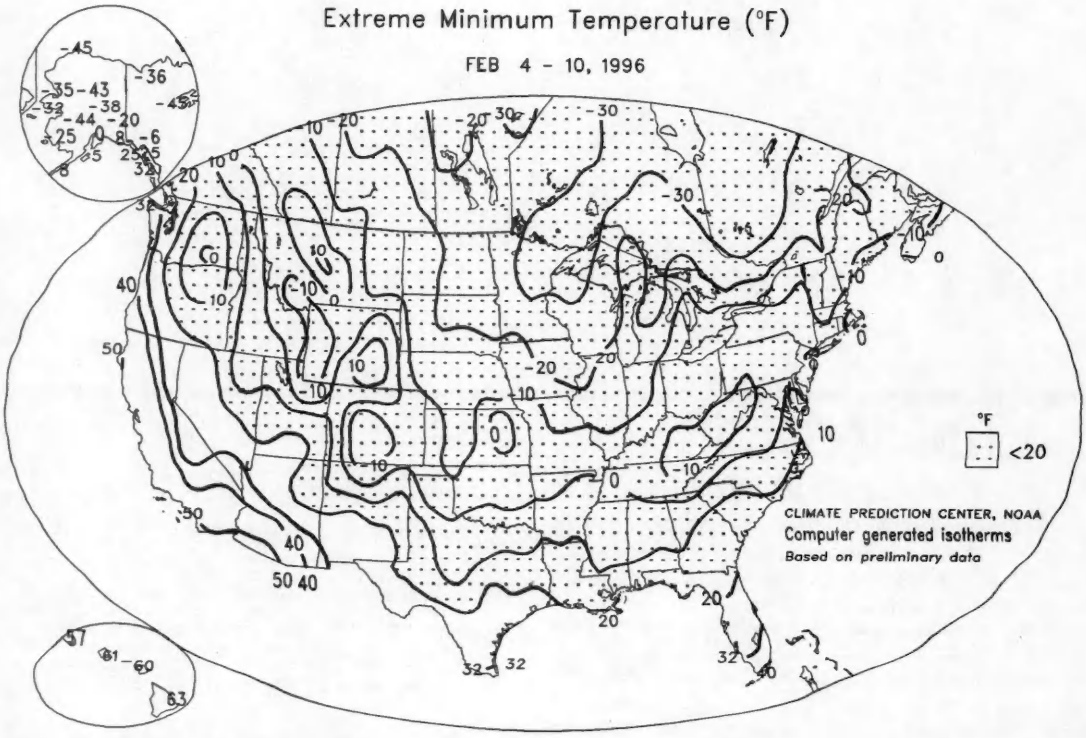
Departure of Average Temperature from Normal (°F)

FEB 4 - 10, 1996



Extreme Minimum Temperature (°F)

FEB 4 - 10, 1996



National Weather Data for Selected Cities

Weather Data for the Week Ending February 10, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	50	27	70	4	38	-5	0.00	-1.13	0.00	16.11	136	11.34	169	88	48	0	4	0	0
MOBILE	58	35	74	11	46	-5	0.00	-1.29	0.00	16.67	140	7.81	119	88	36	0	3	0	0
MONTGOMERY	54	29	73	10	42	-4	0.00	-1.26	0.00	14.61	123	8.43	125	85	38	0	4	0	0
AK ANCHORAGE	19	8	28	0	14	-4	1.56	1.37	0.58	1.76	81	1.67	158	87	73	0	7	6	2
BARROW	-17	-31	-11	-45	-24	-7	0.00	-0.03	0.00	0.06	21	0.00	0	77	70	0	7	0	0
FAIRBANKS	-3	-21	4	-38	-12	-5	0.40	0.29	0.32	0.81	56	0.74	119	78	68	0	7	4	0
JUNEAU	39	32	40	25	35	8	1.95	0.97	0.68	7.57	73	3.52	59	97	77	0	3	5	2
KODIAK	26	16	30	5	21	-10	1.10	-0.33	0.24	15.67	96	4.24	65	87	58	0	7	7	0
NOME	-3	-20	6	-32	-13	-16	0.09	-0.08	0.07	1.59	84	1.00	96	71	52	0	7	2	0
AZ PHOENIX	80	53	84	45	66	9	0.00	-0.17	0.00	0.76	41	0.75	84	64	18	0	0	0	0
PRESCOTT	69	34	75	28	52	13	0.00	-0.36	0.00	0.49	13	0.32	16	67	19	0	1	0	0
TUCSON	78	47	82	42	63	9	0.00	-0.17	0.00	0.50	23	0.28	25	68	19	0	0	0	0
YUMA	83	57	88	52	70	11	0.00	-0.06	0.00	0.18	20	0.16	38	54	21	0	0	0	0
AR FORT SMITH	57	27	76	3	42	2	0.00	-0.56	0.00	7.23	126	3.07	114	85	43	0	3	0	0
LITTLE ROCK	--	--	--	--	--	--	0.00	-0.81	0.00	6.59	82	2.61	60	--	--	-	-	-	-
CA BAKERSFIELD	67	51	75	46	59	7	0.26	-0.01	0.24	3.35	183	1.32	109	99	71	0	0	1	0
EUREKA	65	55	70	50	60	11	0.78	-0.41	0.38	23.11	168	11.53	149	86	53	0	0	4	0
FRESNO	66	51	71	45	58	8	0.99	0.55	0.63	4.85	121	2.99	115	97	46	0	0	2	1
LOS ANGELES	71	55	85	52	63	5	0.00	-0.63	0.00	4.35	88	2.18	66	91	36	0	0	0	0
REDDING	64	48	66	44	56	6	2.19	1.02	2.12	23.00	174	12.19	157	96	60	0	0	2	1
SACRAMENTO	66	52	71	48	59	9	2.23	1.47	1.66	10.72	146	5.58	115	98	64	0	0	2	1
SAN DIEGO	68	54	77	51	61	3	0.00	-0.39	0.00	1.81	46	0.93	39	91	42	0	0	0	0
SAN FRANCISCO	63	52	65	50	58	6	1.21	0.37	1.19	14.89	172	8.47	152	98	53	0	0	2	1
CO DENVER	61	27	69	-5	44	11	0.00	-0.11	0.00	0.31	24	0.28	43	64	22	0	4	0	0
GRAND JUNCTION	54	28	60	12	41	7	0.00	-0.11	0.00	1.26	93	0.71	106	82	33	0	6	0	0
PUEBLO	61	20	78	-14	41	7	0.00	-0.06	0.00	0.23	28	0.23	58	71	28	0	6	0	0
CT BRIDGEPORT	32	18	47	2	25	-4	0.33	-0.40	0.33	8.11	104	6.17	144	77	47	0	5	1	0
HARTFORD	31	13	44	-13	23	-4	0.14	-0.66	0.14	10.10	119	7.78	171	78	46	0	5	1	0
DC WASHINGTON	36	21	50	5	29	-7	0.28	-0.37	0.20	8.22	121	6.05	163	82	51	0	4	2	0
FL PANAMA CITY	56	34	67	13	45	-7	0.00	-1.29	0.00	5.76	50	3.56	51	91	53	0	4	0	0
DAYTONA BEACH	62	39	75	26	51	-7	0.00	-0.77	0.00	9.68	151	6.34	163	95	47	0	2	0	0
JACKSONVILLE	61	33	77	19	47	-9	0.00	-0.95	0.00	3.84	52	1.65	37	90	39	0	4	0	0
KEY WEST	69	55	76	45	62	-8	0.00	-0.47	0.00	3.99	85	1.06	39	79	53	0	0	0	0
MIAMI	71	50	80	37	60	-8	0.00	-0.50	0.00	3.46	75	2.61	95	82	45	0	0	0	0
ORLANDO	66	41	76	26	53	-7	0.00	-0.71	0.00	7.57	139	6.82	207	87	46	0	2	0	0
TALLAHASSEE	60	30	76	16	45	-7	0.00	-1.31	0.00	7.87	67	4.09	62	86	37	0	4	0	0
TAMPA	64	41	71	25	52	-8	0.00	-0.72	0.00	7.20	140	6.18	207	82	43	0	2	0	0
WEST PALM BEACH	69	48	79	33	58	-8	0.03	-0.68	0.03	3.42	59	1.85	53	84	47	0	0	1	0
GA ATLANTA	50	28	73	6	39	-4	0.02	-1.14	0.02	14.56	136	11.00	172	82	39	0	4	1	0
AUGUSTA	55	23	74	11	39	-6	0.01	-1.03	0.01	8.83	99	4.30	78	89	31	0	6	1	0
MACON	56	26	74	10	41	-6	0.00	-1.17	0.00	8.81	84	6.45	106	85	33	0	4	0	0
SAVANNAH	58	32	75	18	45	-5	0.02	-0.78	0.02	3.76	49	2.87	61	90	42	0	4	1	0
HI HILO	84	64	85	63	74	3	0.00	-2.41	0.00	18.39	73	14.29	108	84	58	0	0	0	0
HONOLULU	85	71	87	61	78	5	0.00	-0.60	0.00	3.54	43	3.54	80	87	61	0	0	0	0
KAHULUI	84	66	88	60	75	4	0.14	-0.63	0.14	4.75	56	2.62	50	88	62	0	0	1	0
LIHUE	80	66	83	57	73	2	0.87	-0.03	0.40	12.80	103	6.03	83	88	60	0	0	3	0
ID BOISE	45	31	54	10	38	4	0.46	0.18	0.24	3.98	122	1.76	96	88	31	0	4	3	0
LEWISTON	48	33	56	14	40	3	0.87	0.64	0.66	3.50	123	2.24	138	92	37	0	3	4	1
POCATELLO	45	28	57	-2	36	9	0.14	-0.08	0.14	3.27	133	1.30	96	81	52	0	3	1	0
IL CHICAGO	35	17	53	-14	26	3	0.02	-0.28	0.02	2.19	50	1.59	82	85	60	0	5	1	0
MOLINE	35	14	50	-24	25	2	0.00	-0.25	0.00	2.88	68	2.32	123	86	58	0	5	0	0
PEORIA	40	17	54	-14	28	5	0.07	-0.23	0.07	1.84	43	1.53	79	87	57	0	5	1	0
QUINCY	42	21	56	-14	31	5	0.00	-0.29	0.00	2.63	64	2.40	136	86	52	0	4	0	0
ROCKFORD	32	14	49	-19	23	3	0.00	-0.25	0.00	1.87	51	1.40	85	94	68	0	5	0	0
SPRINGFIELD	43	18	60	-19	30	4	0.00	-0.37	0.00	2.81	59	1.48	73	85	60	0	4	0	0
IN EVANSVILLE	43	21	68	-7	32	-1	0.00	-0.76	0.00	6.70	85	3.52	86	85	56	0	4	0	0
FORT WAYNE	37	17	59	-9	27	4	0.16	-0.27	0.14	3.92	73	2.68	108	87	59	0	5	2	0
INDIANAPOLIS	38	17	62	-12	28	0	0.16	-0.39	0.16	6.97	108	4.26	138	89	64	0	5	1	0
SOUTH BEND	35	16	57	-13	26	1	0.27	-0.17	0.20	3.81	62	1.93	68	85	62	0	6	2	0
IA DES MOINES	37	17	53	-20	27	5	0.08	-0.21	0.00	2.99	114	2.99	239	84	55	0	4	0	0
SIOUX CITY	42	19	58	-15	30	9	0.00	-0.12	0.00	1.42	96	1.10	157	87	52	0	6	0	0
WATERLOO	32	10	45	-25	21	4	0.00	-0.21	0.00	2.31	97	2.15	197	90	64	0	6	0	0
KS CONCORDIA	53	25	70	-3	39	10	0.00	-0.12	0.00	0.81	52	0.55	75	71	37	0	3	0	0
DODGE CITY	57	24	74	-8	41	8	0.00	-0.11	0.00	1.04	80	0.44	68	73	33	0	5	0	0
GOODLAND	59	24	76	-3	41	11	0.00	-0.06	0.00	0.50	57	0.35	76	73	29	0	5	0	0
TOPEKA	51	22	69	-5	36	7	0.00	-0.20	0.00	1.34	50	0.75	61	77	37	0	6	0	0
WICHITA	53	22	71	-7	37	4	0.00	-0.20	0.00	0.71	28	0.08	7	83	38	0	6	0	0
KY BOWLING GREEN	44	21	69	-4	33	-2	0.07	-0.90	0.05	8.53	83	6.17	119	89	49	0	6	2	0
LEXINGTON	39	20	66	-10	29	-3	0.20	-0.53	0.20	7.56	96	4.82	124	83	54	0	4	1	0
LOUISVILLE	42	23	68	-5	33	-1	0.11	-0.63	0.11	7.86	104	4.56	116	82	49	0	5	1	0
LA BATON ROUGE	60	37	76	15	49	-3	0.00	-1.39	0.00	10.50	84	5.20	75	94	55	0	3	0	0
LAKE CHARLES	62	41	74	17	51	-1	0.00	-0.94	0.00	9.40	86	3.95	50	92	66	0	2	0	0
NEW ORLEANS	61	38	77	16	50	-3	0.00	-1.50	0.00	10.68	82	5.60	78	90	55	0	3	0	0
SHREVEPORT	61	41	77	14	51	4	0.06	-0.99	0.06	7.46	71	2.28	40	91	53	0	2	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending February 10, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	19	0	34	-23	9	0	0.87	0.40	0.70	6.73	106	6.93	159	85	65	0	7	4	1
PORTLAND	29	10	45	-12	20	-1	0.21	-0.62	0.13	9.66	104	5.52	117	79	44	0	6	2	0
MD BALTIMORE	36	18	50	-1	27	-6	0.20	-0.57	0.18	10.40	138	7.72	186	80	36	0	4	2	0
SALISBURY	36	15	52	-2	26	-10	0.23	-0.60	0.18	8.24	97	5.55	115	91	47	0	5	2	0
MA BOSTON	32	20	47	4	26	-3	0.18	-0.72	0.17	11.07	125	7.89	162	69	42	0	5	2	0
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	28	13	39	-23	20	4	0.53	0.23	0.26	3.30	80	1.94	94	88	64	0	6	3	0
DETROIT	35	19	55	-5	27	3	0.11	-0.29	0.11	2.83	55	1.96	84	85	57	0	4	1	0
FLINT	33	16	53	-10	25	3	0.20	-0.08	0.20	3.44	88	2.29	128	88	63	0	5	1	0
GRAND RAPIDS	33	15	51	-17	24	2	0.20	-0.13	0.16	2.92	57	1.38	60	90	67	0	6	2	0
HOUGHTON LAKE	30	11	47	-28	20	4	0.48	0.17	0.25	3.61	94	2.22	117	87	63	0	5	5	0
LANSING	34	17	53	-11	25	6	0.07	-0.21	0.07	1.94	50	0.87	67	91	62	0	6	1	0
MARQUETTE	27	7	46	-31	17	5	0.85	0.44	0.63	8.57	160	6.09	221	84	53	0	7	3	1
MUSKEGON	31	16	43	-19	24	1	0.42	0.06	0.34	3.90	66	2.01	70	91	68	0	6	3	0
SAULT ST. MARIE	24	8	35	-31	16	4	0.97	0.53	0.73	11.32	191	5.06	168	93	66	0	7	4	1
MN ALEXANDRIA	28	7	41	-28	17	7	0.16	0.02	0.16	2.85	153	2.13	184	90	67	0	7	1	0
DULUTH	27	7	45	-29	17	7	0.12	-0.05	0.08	3.02	110	1.48	100	83	53	0	7	3	0
INT'L FALLS	26	3	41	-35	14	10	0.17	0.02	0.08	3.22	163	1.96	177	86	66	0	7	4	0
MINNEAPOLIS	32	11	42	-23	21	6	0.09	-0.10	0.06	3.10	136	1.95	163	85	58	0	7	3	0
ROCHESTER	27	9	39	-34	18	4	0.10	-0.05	0.08	2.75	136	2.12	214	87	69	0	7	2	0
MS GREENWOOD	53	36	72	7	45	0	0.00	-1.07	0.00	10.54	86	4.75	74	87	57	0	3	0	0
JACKSON	56	37	73	10	46	1	0.00	-1.16	0.00	15.28	114	9.84	137	83	48	0	2	0	0
MERIDIAN	55	31	74	8	43	-4	0.00	-1.28	0.00	10.69	82	7.77	111	92	52	0	3	0	0
MO CAPE GIRARDEAU	47	23	68	-8	35	1	0.00	-0.73	0.00	7.29	87	3.62	92	90	51	0	4	0	0
COLUMBIA	48	23	64	+9	36	7	0.00	-0.38	0.00	4.53	97	2.91	143	83	42	0	4	0	0
KANSAS CITY	47	24	64	-7	36	7	0.00	-0.22	0.00	1.46	49	1.10	78	78	44	0	3	0	0
SAINT LOUIS	50	25	68	-7	37	5	0.00	-0.45	0.00	6.13	113	3.28	135	77	41	0	4	0	0
SPRINGFIELD	52	23	69	-8	37	4	0.00	-0.40	0.00	6.18	125	3.70	164	88	47	0	4	0	0
MT BILLINGS	51	29	70	15	40	13	0.04	-0.12	0.04	1.22	63	0.87	76	72	37	0	4	1	0
GLASGOW	33	11	46	-20	22	7	0.00	-0.06	0.00	0.88	106	0.50	109	88	64	0	7	0	0
GREAT FALLS	47	30	59	16	38	13	0.00	-0.14	0.00	0.59	30	0.47	43	78	44	0	4	0	0
HAVRE	40	17	51	-19	28	10	0.00	-0.08	0.00	1.34	112	0.83	126	81	62	0	6	0	0
HELENA	42	16	54	+11	29	4	0.03	-0.08	0.03	0.93	67	0.58	73	86	57	0	6	1	0
KALISPELL	36	20	47	-7	28	3	1.71	1.41	1.09	6.43	175	4.23	216	92	64	0	5	5	1
MILES CITY	42	19	51	-15	30	9	0.00	-0.11	0.00	1.45	110	1.18	166	83	53	0	6	0	0
MISSOULA	39	20	51	-8	30	2	0.63	0.42	0.32	4.31	159	2.69	172	86	62	0	5	6	0
NE GRAND ISLAND	49	22	70	-11	36	11	0.00	-0.12	0.00	1.32	96	1.06	161	83	47	0	5	0	0
LINCOLN	47	18	65	-18	33	9	0.00	-0.12	0.00	1.28	81	1.02	146	88	42	0	6	0	0
NORFOLK	47	20	65	-17	33	11	0.00	-0.14	0.00	1.38	96	0.91	130	82	50	0	5	0	0
NORTH PLATTE	56	18	74	-13	37	12	0.00	-0.08	0.00	0.50	53	0.50	104	84	29	0	7	0	0
OMAHA	43	18	61	-15	30	6	0.00	-0.14	0.00	1.89	97	1.35	144	92	45	0	6	0	0
SCOTTSBLUFF	58	24	70	-9	41	12	0.00	-0.09	0.00	1.38	116	0.83	136	75	29	0	5	0	0
VALENTINE	51	23	70	-16	37	11	0.00	-0.11	0.00	0.57	52	0.51	88	88	40	0	4	0	0
NV ELY	52	26	62	18	39	11	0.00	-0.16	0.00	0.97	58	0.51	54	85	43	0	6	0	0
LAS VEGAS	71	46	76	37	58	9	0.00	-0.11	0.00	0.13	13	0.13	18	57	23	0	0	0	0
RENO	60	35	65	30	47	11	0.45	0.19	0.30	4.04	165	1.79	122	83	34	0	3	2	0
WINNEMUCCA	51	33	62	24	42	8	0.32	0.17	0.22	3.59	194	1.98	204	86	50	0	3	2	0
NH CONCORD	29	7	44	-15	18	-1	0.07	-0.56	0.07	7.00	107	5.03	148	82	43	0	6	1	0
NJ ATLANTIC CITY	33	13	47	-8	23	-9	0.17	-0.59	0.16	7.31	91	5.71	125	83	49	0	6	2	0
NM ALBUQUERQUE	53	32	70	19	47	9	0.00	-0.11	0.00	0.51	45	0.35	54	63	19	0	2	0	0
CLOVIS	66	30	75	13	48	9	0.00	-0.11	0.00	0.56	52	0.36	68	69	20	0	3	0	0
ROSWELL	70	32	79	23	51	8	--	--	--	--	--	--	--	59	23	0	4	-	-
NY ALBANY	28	16	41	0	22	1	0.19	-0.36	0.19	6.69	110	5.27	168	79	51	0	6	1	0
BINGHAMTON	25	13	38	-6	19	-2	0.18	-0.38	0.18	4.96	80	4.00	125	86	63	0	7	1	0
BUFFALO	30	17	49	-2	23	0	0.67	0.09	0.46	7.69	107	4.02	114	88	65	0	6	4	0
NEW YORK	34	24	48	9	29	-3	0.21	-0.48	0.21	6.84	92	4.67	116	70	42	0	5	1	0
ROCHESTER	30	17	44	-2	24	1	0.21	-0.31	0.12	4.93	89	3.44	122	90	62	0	6	2	0
SYRACUSE	31	17	45	-2	24	1	0.30	-0.22	0.24	5.54	88	3.65	119	90	56	0	6	3	0
NC ASHEVILLE	43	19	69	-1	31	-6	0.17	-0.86	0.12	10.68	109	9.26	173	88	44	0	5	3	0
CHARLOTTE	48	24	67	7	36	-5	0.14	-0.78	0.10	7.27	86	6.05	121	87	38	0	5	4	0
GREENSBORO	41	20	62	1	31	-8	0.12	-0.68	0.06	7.26	94	5.89	136	90	55	0	6	2	0
HATTERAS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
NEW BERN	48	24	69	9	36	-8	0.10	-0.97	0.07	6.44	68	4.88	84	75	40	0	6	2	0
RALEIGH	46	20	72	0	33	-7	0.03	-0.88	0.03	7.49	94	5.60	117	89	50	0	5	1	0
WILMINGTON	50	24	69	11	37	-7	0.00	-1.10	0.00	5.14	50	3.07	49	91	36	0	6	0	0
ND BISMARCK	38	14	56	-25	26	13	0.03	-0.08	0.03	1.54	140	0.99	162	85	59	0	7	1	0
FARGO	28	6	41	-24	17	8	0.13	0.02	0.12	2.69	182	1.94	231	88	70	0	7	2	0
GRAND FORKS	28	6	41	-24	17	9	0.09	-0.02	0.09	1.75	115	0.98	111	91	70	0	7	1	0
WILLISTON	36	16	48	-22	26	13	0.04	-0.07	0.04	1.50	117	0.82	119	82	63	0	7	1	0
OH AKRON-CANTON	32	16	55	-8	24	-1	0.24	-0.26	0.24	4.89	84	4.02	140	88	64	0	6	1	0
CINCINNATI	38	17	65	-11	28	-2	0.21	-0.38	0.19	7.98	121	4.58	134	85	55	0	5	2	0
CLEVELAND	33	17	55	-10	25	0	0.25	-0.26	0.24	4.39	75	2.93	107	87	62	0	5	2	0
COLUMBUS	37	19	61	-3	28	2	0.18	-0.33	0.15	5.87	104	3.92	147	87	56	0	6	2	0
DAYTON	36	19	62	-8	27	0	0.18	-0.30	0.18	5.50	96	4.38	152	88	60	0	4	1	0

Based on 1961-90 normals.

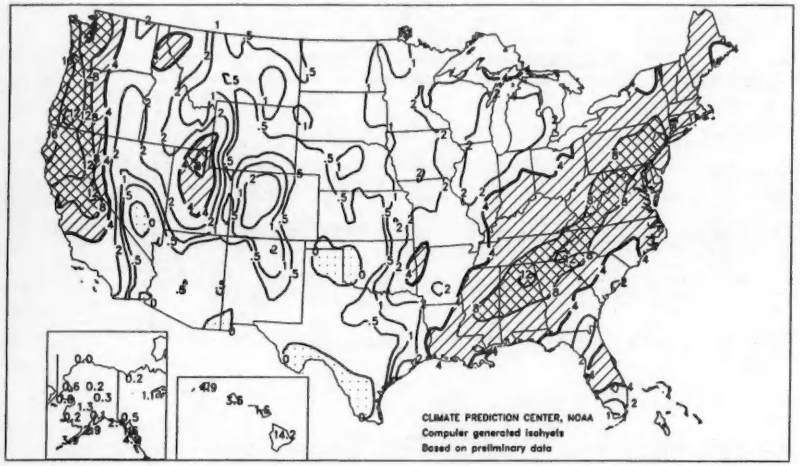
Weather Data for the Week Ending February 10, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	34	17	57	-8	26	2	0.22	-0.17	0.18	3.06	59	2.43	106	88	64	0	5	2	0
YOUNGSTOWN	32	16	54	-8	24	0	0.21	-0.26	0.21	4.66	81	3.04	108	91	60	0	6	1	0
OK OKLAHOMA CITY	60	28	75	-3	44	5	0.00	-0.32	0.00	2.42	81	0.06	4	87	36	0	3	0	0
TULSA	55	26	74	-11	41	3	0.00	-0.41	0.00	2.32	54	0.55	26	87	41	0	3	0	0
OR ASTORIA	55	42	59	36	49	5	7.62	5.62	2.81	28.29	121	17.00	132	94	72	0	0	4	4
BURNS	41	28	49	13	34	7	0.35	0.16	0.32	4.73	195	2.20	173	90	65	0	4	2	0
MEDFORD	62	46	70	44	54	13	1.07	0.86	0.68	14.31	212	6.63	193	93	39	0	0	3	1
PENDLETON	50	29	67	5	40	2	1.06	0.76	0.58	4.60	129	2.82	145	92	47	0	4	6	1
PORTLAND	52	38	62	20	45	3	6.65	5.63	2.09	19.84	153	13.78	201	96	52	0	2	5	4
SALEM	55	41	62	27	48	6	8.30	7.12	3.49	23.96	166	16.68	219	94	68	0	2	6	4
PA ALLENTOWN	29	13	43	-8	21	-6	0.25	-0.48	0.22	8.60	112	7.14	170	79	50	0	6	2	0
ERIE	32	17	54	-9	25	0	0.50	-0.03	0.44	7.00	107	3.77	127	87	60	0	5	3	0
HARRISBURG	31	17	49	-3	24	-5	0.16	-0.56	0.16	9.17	129	6.63	173	86	54	0	6	1	0
PHILADELPHIA	32	18	48	3	25	-6	0.22	-0.55	0.18	7.01	85	4.87	107	78	54	0	6	2	0
PITTSBURGH	35	18	60	-6	26	0	0.20	-0.35	0.15	5.55	89	3.92	118	84	56	0	5	4	0
SCRANTON	28	15	43	-6	21	-4	0.10	-0.42	0.10	7.85	144	6.63	232	80	52	0	5	1	0
RI PROVIDENCE	31	16	47	-2	24	-5	0.12	-0.77	0.12	9.38	98	7.22	140	74	43	0	6	1	0
SC CHARLESTON	56	27	74	16	42	-7	0.00	-0.77	0.00	2.87	37	1.85	41	95	31	0	5	0	0
COLUMBIA	54	25	73	14	40	-5	0.00	-1.01	0.00	5.58	58	3.39	58	82	34	0	5	0	0
FLORENCE	54	26	75	11	40	-5	0.00	-0.77	0.00	4.22	54	2.53	55	84	30	0	4	0	0
GREENVILLE	50	25	70	8	37	-4	0.01	-1.03	0.01	9.84	101	7.79	140	83	35	0	4	1	0
SD ABERDEEN	33	12	47	-27	23	9	0.00	-0.14	0.00	1.77	135	1.30	160	84	64	0	7	0	0
HURON	37	16	51	-22	26	10	0.01	-0.11	0.01	1.28	125	1.00	179	84	60	0	7	1	0
RAPID CITY	50	20	70	-16	35	10	0.00	-0.11	0.00	0.96	95	0.82	158	80	37	0	6	0	0
SIOUX FALLS	41	16	57	-19	28	11	0.02	-0.10	0.02	1.12	81	1.02	153	89	56	0	7	1	0
TN CHATTANOOGA	42	20	62	2	31	-9	0.10	-1.04	0.07	12.59	108	8.77	135	90	55	0	6	2	0
KNOXVILLE	38	18	59	-8	28	-11	0.68	-0.28	0.33	11.99	119	9.46	170	88	57	0	5	3	0
MEMPHIS	51	33	71	4	42	0	0.00	-1.01	0.00	11.16	102	5.57	108	80	47	0	3	0	0
NASHVILLE	45	23	65	-3	34	-4	0.16	-0.73	0.14	6.65	70	4.41	91	86	50	0	3	3	0
TX ABILENE	69	38	87	6	53	7	0.00	-0.28	0.00	0.98	40	0.75	53	78	30	0	3	0	0
AMARILLO	63	26	77	-3	45	7	0.00	-0.16	0.00	1.02	94	0.43	62	79	33	0	4	0	0
AUSTIN	67	44	90	19	56	5	0.00	-0.54	0.00	0.65	15	0.16	7	93	48	0	2	0	0
BEAUMONT	64	44	76	21	54	1	0.02	-0.89	0.02	13.92	128	2.78	46	96	63	0	2	1	0
BROWNSVILLE	72	52	82	33	62	1	0.01	-0.30	0.01	1.07	33	0.08	4	89	54	0	0	1	0
CORPUS CHRISTI	70	48	81	29	59	2	0.00	-0.52	0.00	0.72	19	0.09	4	87	53	0	1	0	0
DEL RIO	70	43	84	26	56	4	0.00	-0.36	0.00	0.49	18	0.00	0	85	48	0	2	0	0
EL PASO	71	37	77	31	54	8	0.00	-0.11	0.00	0.51	45	0.27	49	61	22	0	2	0	0
FORT WORTH	65	39	81	8	52	7	0.00	-0.56	0.00	3.14	67	1.09	43	92	50	0	2	0	0
GALVESTON	61	50	71	29	56	2	0.00	-0.61	0.00	7.31	95	1.74	42	91	69	0	1	0	0
HOUSTON	67	47	81	22	57	5	0.04	-0.90	0.04	6.04	61	1.05	21	89	46	0	2	1	0
LUBBOCK	68	28	79	12	48	7	0.00	-0.15	0.00	0.65	58	0.20	36	77	22	0	4	0	0
MIDLAND	72	32	83	16	52	6	0.00	-0.14	0.00	0.31	26	0.08	13	82	30	0	3	0	0
SAN ANGELO	70	35	85	7	53	7	0.00	-0.28	0.00	0.38	19	0.25	25	84	35	0	3	0	0
SAN ANTONIO	69	44	82	19	57	5	0.00	-0.47	0.00	0.63	16	0.00	0	87	39	0	2	0	0
VICTORIA	68	45	79	23	56	3	0.00	-0.75	0.00	2.95	40	0.08	2	97	50	0	2	0	0
WACO	66	42	82	12	54	7	0.00	-0.50	0.00	3.04	49	1.00	43	91	50	0	2	0	0
WICHITA FALLS	65	33	77	3	49	6	0.00	-0.45	0.00	1.65	47	0.91	46	83	35	0	3	0	0
UT CEDAR CITY	61	29	70	21	45	13	0.00	-0.19	0.00	1.13	68	0.84	87	93	26	0	7	0	0
SALT LAKE CITY	40	18	47	-2	29	-3	0.26	-0.02	0.25	4.57	158	3.37	222	96	69	0	7	2	0
VT BURLINGTON	25	11	37	-9	18	2	0.26	-0.13	0.16	6.82	142	4.17	176	82	49	0	7	2	0
VA NORFOLK	61	31	61	11	31	-9	0.27	-0.60	0.20	8.37	104	6.70	133	87	46	0	6	2	0
RICHMOND	38	17	59	-2	28	-9	0.24	-0.53	0.20	7.58	99	5.87	135	88	43	0	6	2	0
ROANOKE	41	21	67	-1	31	-4	0.38	-0.34	0.36	10.82	164	8.51	234	72	41	0	4	2	0
WA QUILLAYUTE	53	41	59	33	47	5	3.72	0.49	1.37	33.87	98	19.93	105	96	79	0	0	5	3
SEATTLE-TACOMA	54	41	59	32	47	4	6.07	5.01	3.02	20.01	156	13.63	197	95	65	0	1	6	3
SPOKANE	40	27	49	13	34	2	1.14	0.75	0.57	5.87	119	3.23	127	95	69	0	4	4	1
YAKIMA	38	24	50	8	31	-3	1.36	1.16	--	3.62	123	2.77	183	95	68	0	5	4	1
WV BECKLEY	34	16	58	-16	25	-5	1.14	0.42	1.01	9.56	133	7.11	180	83	55	0	5	2	1
CHARLESTON	39	16	64	-12	28	-5	0.83	0.11	0.71	8.51	116	6.46	164	88	50	0	6	2	1
HUNTINGTON	40	19	65	-9	29	-2	0.41	-0.33	0.37	9.52	125	6.69	165	86	49	0	4	2	0
PARKERSBURG	38	16	64	-10	27	-4	0.09	-0.60	0.07	6.55	92	4.71	113	91	53	0	6	2	0
WI GREEN BAY	30	12	47	-24	21	5	0.02	-0.20	0.02	3.06	102	1.80	123	82	57	0	7	1	0
LACROSSE	31	9	46	-29	20	3	0.10	-0.09	--	3.95	159	3.13	254	91	56	0	6	-	-
MADISON	33	12	51	-21	23	5	0.03	-0.19	0.02	3.32	107	2.55	173	85	58	0	5	2	0
MILWAUKEE	33	17	52	-19	25	4	0.00	-0.32	0.00	2.13	49	1.65	90	89	59	0	5	0	0
WAUSAU	29	8	45	-27	18	4	0.00	-0.17	0.00	3.12	119	2.12	178	88	52	0	7	0	0
WY CASPER	50	30	63	18	40	15	0.00	-0.14	0.00	1.31	96	0.96	130	64	37	0	3	0	0
CHEYENNE	50	33	58	17	41	13	0.00	-0.08	0.00	0.59	66	0.39	80	56	31	0	3	0	0
LANDER	51	22	63	-1	36	13	0.00	-0.13	0.00	0.98	80	0.67	103	69	35	0	4	0	0
SHERIDAN	50	23	68	-7	36	13	0.00	-0.17	0.00	0.96	56	0.67	69	73	40	0	5	0	0
PR SAN JUAN	83	71	85	70	77	0	1.16	0.61	0.70	11.01	132	7.16	198	89	63	0	0	4	1

Based on 1961-90 normals.

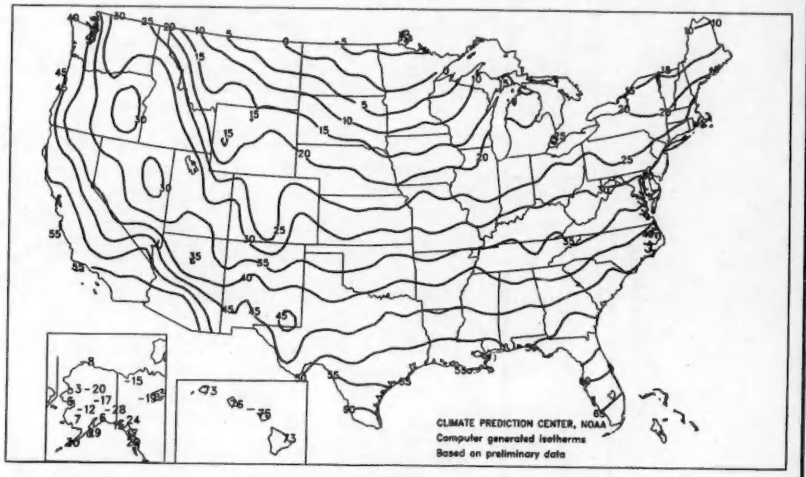
Total Precipitation (Inches)

JAN 1996



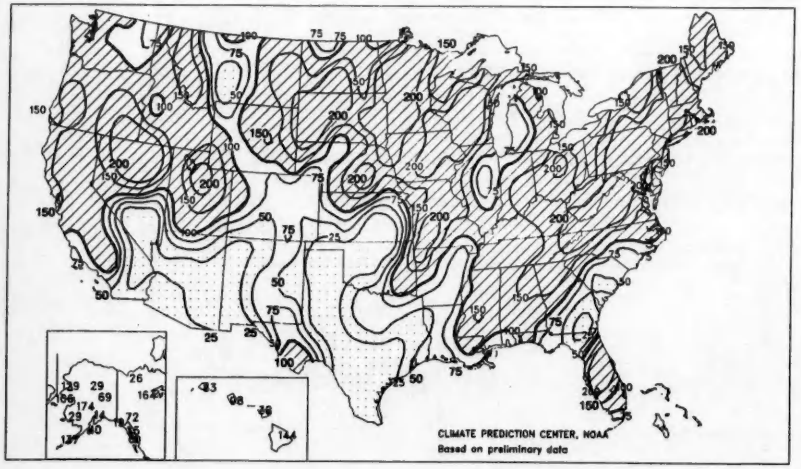
Average Temperature (°F)

JAN 1996



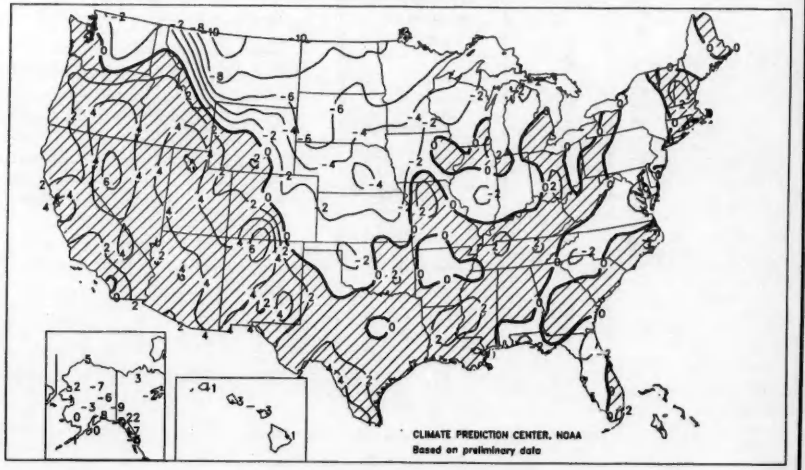
Percent Of Normal Precipitation

JAN 1996



Departure of Average Temperature from Normal (°F)

JAN 1996



TEMPERATURE AND PRECIPITATION SUMMARY
January 1996

STATES AND STATIONS	Temp. °F		Precip.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	43	1	9.59	4.69
HUNTSVILLE	39	0	7.29	2.12
MOBILE	49	-1	4.65	-0.11
MONTGOMERY	45	1	6.65	1.69
AK ANCHORAGE	6	-9	0.11	-0.68
BARROW	-8	6	T	-0.17
FAIRBANKS	-17	-7	0.32	-0.15
JUNEAU	17	-8	2.26	-2.28
KODIAK	29	0	3.00	-4.38
NOME	5	-2	0.91	0.12
AZ FLAGSTAFF	31	2	0.19	-1.85
PHOENIX	56	2	0.25	-0.42
PRESCOTT	41	5	0.12	-1.41
TUCSON	54	2	0.01	-0.86
WINSLOW	37	5	T	-0.45
YUMA	60	3	0.00	-0.35
AR FORT SMITH	37	0	3.05	1.15
LITTLE ROCK	40	1	2.57	-0.41
CA BAKERSFIELD	49	1	1.03	0.17
BISHOP	--	--	--	--
EUREKA	50	2	10.74	4.74
FRESNO	49	3	2.02	0.06
LOS ANGELES	58	1	1.94	-0.46
REDDING	46	0	9.66	3.60
SACRAMENTO	48	3	3.29	0.44
SAN DIEGO	58	0	1.52	-0.28
SAN FRANCISCO	52	3	6.93	2.58
SANTA MARIA	53	2	2.05	-0.11
CO ALAMOSA	21	6	0.06	-0.20
CO. SPRINGS	28	-1	0.16	-0.13
CO DENVER	28	-2	0.24	-0.26
GRAND JUNCTION	30	3	0.65	0.13
PUEBLO	28	-1	0.24	-0.08
CT BRIDGEPORT	28	-1	5.77	2.53
HARTFORD	25	0	6.99	3.58
DC WASHINGTON	33	-2	5.01	2.29
FL PANAMA CITY	51	0	1.39	-3.72
DAYTONA BEACH	57	-1	5.55	2.80
FT. MYERS	63	-1	3.05	1.21
JACKSONVILLE	53	-3	1.11	-2.01
KEY WEST	69	-1	0.88	-1.13
MIAMI	68	1	2.33	0.32
ORLANDO	59	-1	5.39	3.09
TALLAHASSEE	51	0	2.90	-1.87
TAMPA	59	-1	5.42	3.43
WEST PALM BEACH	66	-1	1.54	-1.35
GA ATHENS	41	-1	6.71	2.11
ATLANTA	41	0	8.32	3.57
AUGUSTA	45	1	3.49	-0.56
MACON	45	0	5.37	0.81
SAVANNAH	50	1	2.01	-1.58
HI HILO	73	2	14.29	4.41
HONOLULU	76	3	3.50	-0.05
KAHULUI	75	4	1.58	-2.56
LIHUE	73	1	5.16	-0.73
ID BOISE	33	4	0.97	-0.48
LEWISTON	34	1	1.36	0.08
POCATELLO	28	4	1.15	0.11
IL CAIRO	--	--	--	--
CHICAGO	23	2	1.53	0.00
MOLINE	20	0	2.30	0.76
PEORIA	22	0	1.44	-0.07
QUINCY	24	0	1.52	0.16
ROCKFORD	19	0	1.40	0.12
SPRINGFIELD	23	-1	1.49	-0.02
IN EVANSVILLE	31	-1	3.51	0.51
FORT WAYNE	23	0	2.51	0.64
INDIANAPOLIS	25	-1	3.88	1.56
SOUTH BEND	24	0	1.66	-0.57
IA DES MOINES	18	-2	0.99	0.03
DUBUQUE	16	0	2.19	0.93
SIOUX CITY	15	-3	0.99	0.44
WATERLOO	15	0	2.19	1.39
KS CONCORDIA	23	-3	0.56	-0.02
DODGE CITY	28	-1	0.41	-0.08
GOODLAND	26	-3	0.34	-0.07
TOPEKA	25	-2	0.76	-0.19
WICHITA	29	-2	0.10	-0.76
KY BOWLING GREEN	35	2	3.17	-0.65
JACKSON	33	0	4.89	1.13
LEXINGTON	31	0	4.51	1.65
LOUISVILLE	32	0	4.19	1.33
PADUCAH	33	0	3.20	--
LA BATON ROUGE	51	2	2.19	-2.72
LAKE CHARLES	51	1	2.48	-2.04
NEW ORLEANS	53	2	4.72	-0.33
SHREVEPORT	46	1	2.12	-2.10
ME CARIBOU	11	1	4.05	1.63
PORTLAND	21	1	5.30	1.77
MD BALTIMORE	32	0	6.80	3.75
SALISBURY	34	0	3.93	0.29
MA BOSTON	30	1	7.44	3.85
CHATHAM	--	--	--	--
MI ALPENA	16	-2	1.42	-0.22
DETROIT	24	1	1.85	0.09
FLINT	22	0	2.07	0.68
GRAND RAPIDS	21	0	1.18	-0.65
HOUGHTON LAKE	16	-1	1.71	0.21
LANSING	21	1	1.26	-0.21
MARQUETTE	18	-1	5.22	3.05
MUSKEGON	23	-2	1.47	-0.87
SAULT ST. MARIE	10	-3	4.02	1.60
MN ALEXANDRIA	1	-6	0.50	-0.44
DULUTH	2	-5	1.35	0.13
INT'L FALLS	-5	-6	1.78	0.90
MINNEAPOLIS	10	-2	1.86	0.91
ROCHESTER	10	-2	2.00	1.22
ST. CLOUD	3	-5	1.13	0.39
MS GREENWOOD	44	2	--	--
JACKSON	45	2	8.85	3.35
MERIDIAN	45	0	5.19	0.04
TUPELO	40	1	5.81	0.92
MO CAPE GIRARDEAU	32	1	3.46	0.56
COLUMBIA	26	0	2.46	0.96
KANSAS CITY	23	-3	1.04	-0.05
SAINT LOUIS	29	0	3.27	1.46
SPRINGFIELD	30	0	2.57	0.89
MT BILLINGS	17	-6	0.82	-0.08
GLASGOW	0	-11	0.50	0.13
GREAT FALLS	12	-9	0.49	-0.42
HAVRE	2	-12	0.82	0.29
HELENA	10	-9	0.55	-0.08
KALISPELL	17	-4	1.63	0.10
MILES CITY	9	-7	1.19	0.64
MISSOULA	22	0	2.06	0.82
NE GRAND ISLAND	19	-3	1.08	0.62
LINCOLN	19	-3	1.02	0.48
NORFOLK	16	-3	0.90	0.38
NORTH PLATTE	21	-1	0.50	0.14
OMAHA	17	-5	1.35	0.61
SCOTTSBLUFF	22	-3	0.78	0.28
VALENTINE	17	-6	0.53	0.10
NV ELKO	29	4	3.28	2.30
ELY	29	4	0.50	-0.20
LAS VEGAS	49	3	0.13	-0.35
RENO	38	5	1.33	0.26
WINNEMUCCA	34	4	1.65	0.91
NH CONCORD	21	2	4.87	2.36
NJ ATLANTIC CITY	31	0	3.91	0.45
NM ALBUQUERQUE	39	5	0.17	-0.27
CLOVIS	39	3	0.15	-0.24
ROSWELL	43	4	--	--
NY ALBANY	20	0	5.08	2.72
BINGHAMTON	20	-1	3.81	1.41
BUFFALO	23	-1	2.59	-0.11
NEW YORK	32	0	4.11	1.07
ROCHESTER	24	0	3.18	1.10
SYRACUSE	22	-1	3.20	0.86
NC ASHEVILLE	35	-1	7.22	3.32
CHARLOTTE	39	0	4.11	0.40
GREENSBORO	35	-1	4.39	1.22
HATTERAS	--	--	--	--
NEW BERN	44	1	4.09	-0.21
RALEIGH	38	-1	4.24	0.76
WILMINGTON	45	2	3.05	-1.68
ND BISMARCK	2	-7	0.94	0.49
FARGO	-2	-8	1.82	1.15
GRAND FORKS	-4	-8	0.89	0.17
WILLISTON	0	-9	0.79	0.26
OH AKRON-CANTON	24	-1	1.57	-0.59
CINCINNATI	28	0	3.65	1.06
CLEVELAND	26	1	2.24	0.20
COLUMBUS	28	4	3.73	1.76
DAYTON	25	-1	3.48	1.35
MANSFIELD	25	1	2.25	--
TOLEDO	23	1	1.91	0.16
YOUNGSTOWN	24	0	2.68	0.55
OK OKLAHOMA CITY	36	0	0.08	-1.05
TULSA	35	0	0.47	-1.07
OR ASTORIA	42	1	9.08	-0.92
BURNS	27	4	1.85	0.86
MEDFORD	41	3	5.44	2.75
PENDLETON	35	1	1.79	0.28
PORTLAND	41	1	7.15	1.80
SALEM	42	3	8.26	2.34
PA ALLENTOWN	25	-2	6.45	3.29
ERIE	25	-1	3.07	0.85
HARRISBURG	28	-1	6.08	3.24
PHILADELPHIA	30	0	3.62	0.16
PITTSBURGH	28	1	3.68	1.14
SCRANTON	24	-1	6.40	4.30
WILLIAMSPORT	23	-2	7.29	4.75
RI PROVIDENCE	29	1	7.02	3.14
SC CHARLESTON	48	0	1.06	-2.41
COLUMBIA	44	0	2.90	-1.52
FLORENCE	45	2	2.49	-1.04
GREENVILLE	39	-1	9.56	1.44
SD ABERDEEN	4	-6	1.32	0.74
HURON	9	-5	1.00	0.59
RAPID CITY	15	-7	0.85	0.46
SIOUX FALLS	11	-3	0.99	0.48
TN BRISTOL	34	0	6.52	3.29
CHATTANOOGA	38	1	7.99	3.10
KNOXVILLE	37	1	7.51	3.34
MEMPHIS	39	0	5.51	1.78
NASHVILLE	36	0	3.93	0.35
TX ABILENE	43	0	0.70	-0.33
AMARILLO	35	0	0.07	-0.43
AUSTIN	51	2	0.05	-1.66
BEAUMONT	52	1	2.41	-2.36
BROWNSVILLE	61	1	0.07	-1.49
CORPUS CHRISTI	57	2	0.01	-1.70
DEL RIO	53	4	T	-1.11
EL PASO	47	4	0.11	-0.29
FORT WORTH	43	1	0.97	-0.84
GALVESTON	55	3	0.68	-2.58
HOUSTON	52	2	0.88	-2.89
LAREDO	--	--	--	--
LUBBOCK	39	1	0.19	-0.20
MIDLAND	45	1	0.08	-0.41
SAN ANGELO	46	2	0.06	-0.74
SAN ANTONIO	51	2	T	-1.71
VICTORIA	53	1	0.10	-3.29
WACO	45	-1	0.86	-0.79
WICHITA FALLS	40	0	0.89	-0.45
UT BLANDING	--	--	--	--
UT CEDAR CITY	34	5	0.84	0.15
SALT LAKE CITY	33	5	3.09	1.98
VT BURLINGTON	17	1	3.91	2.09
VA LYNCHBURG	34	0	6.33	3.47
NORFOLK	39	-1	5.49	1.71
RICHMOND	34	-2	3.50	0.36
ROANOKE	34	-1	6.87	4.25
WA COLVILLE	--	--	--	--
QUILLAYUTE	48	0	15.58	1.31
SEATTLE-TACOMA	40	0	7.34	1.96
SPOKANE	26	-1	2.08	0.10
WALLA WALLA	35	1	--	--
YAKIMA	27	-3	1.31	0.10
WV BECKLEY	30	1	5.53	2.61
CHARLESTON	32	0	5.18	2.27
ELKINS	29	2	5.29	--
HUNTINGTON	32	2	5.66	2.67
PARKERSBURG	30	0	3.28	0.09
WI GREEN BAY	14	-1	1.77	0.62
LACROSSE	12	-2	3.03	2.10
MADISON	15	-1	2.53	1.37
MILWAUKEE	21	2	1.52	-0.08
WAUSAU	11	-1	3.13	1.18
WY CASPER	21	-1	0.94	0.39
CHEYENNE	23	-3	0.50	0.10
LANDER	20	0	0.67	0.19
SHERIDAN	17	-4	0.67	-0.06
PR SAN JUAN	78	1	5.76	2.95

Based on 1961-90 normals.

December Weather in Historical Perspective

Wet weather in parts of the West was more than offset by dryness in the Central and Eastern States, resulting in the 26th driest December since 1895 (table 1, fig. 1). The Nation's average precipitation of 1.79 inches was 78 percent (%) of normal, with regional values ranging from 25% of normal in the Southwest (7th driest December) to 133% of normal in the West (31st wettest). Chronic dryness continued across the Plains' winter wheat areas, where October-December precipitation was the seventh lowest on record and only about 35% of normal (fig. 2).

Table 1. Temperature/Precipitation Rankings for December 1995
Based on the Period 1895-1995
1 = Driest/Coldest, 101 = Wettest/Hottest

Region	Precipitation	Temperature
Northeast	13	22
East North Central	29	42
Central	23	33
Southeast	19	21
West North Central	16	52
South	42	56
Southwest	7	86
Northwest	60	73
West	71	93
National	26	55

Figure 1

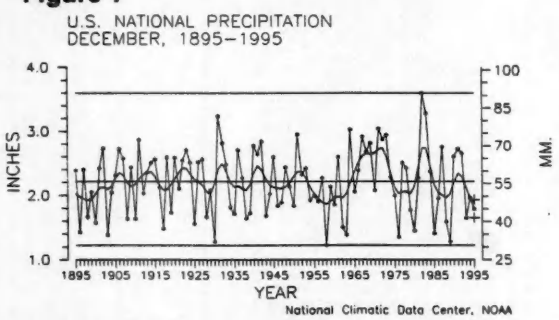
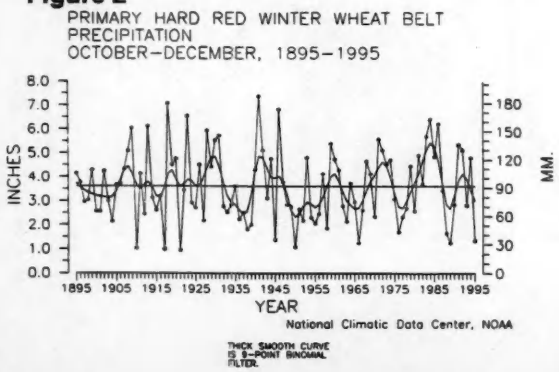

U.S. NATIONAL PRECIPITATION
DECEMBER, 1895–1995
INCHES
MM.
YEAR
National Climatic Data Center, NOAA
STRAIGHT HORIZONTAL LINES ARE: MAXIMUM VALUE (TOP), LONG-TERM AVERAGE (MIDDLE), MINIMUM VALUE (BOTTOM)
THICK SMOOTH CURVE IS 9-POINT BINOMIAL FILTER.
CONFIDENCE INTERVAL FOR CURRENT YEAR IS INDICATED BY '+'.

Figure 2



The Nation's average temperature of 33.9°F was 1.1°F above normal, the 47th warmest December in the past 101 years (fig. 3). December temperatures in the West region were 4.1°F above normal and the ninth highest on record. In contrast, readings averaged below normal in the East, where temperatures in 19 States were within the "cold" third of the historical distribution (fig. 4).

--Brad Rippey

Figure 3

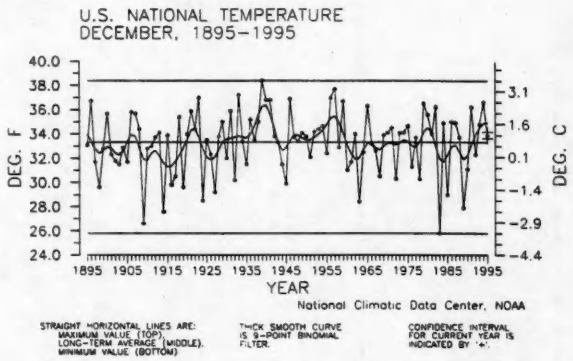

U.S. NATIONAL TEMPERATURE
DECEMBER, 1895–1995
DEG. F
DEG. C
YEAR
National Climatic Data Center, NOAA
STRAIGHT HORIZONTAL LINES ARE: MAXIMUM VALUE (TOP), LONG-TERM AVERAGE (MIDDLE), MINIMUM VALUE (BOTTOM)
THICK SMOOTH CURVE IS 9-POINT BINOMIAL FILTER.
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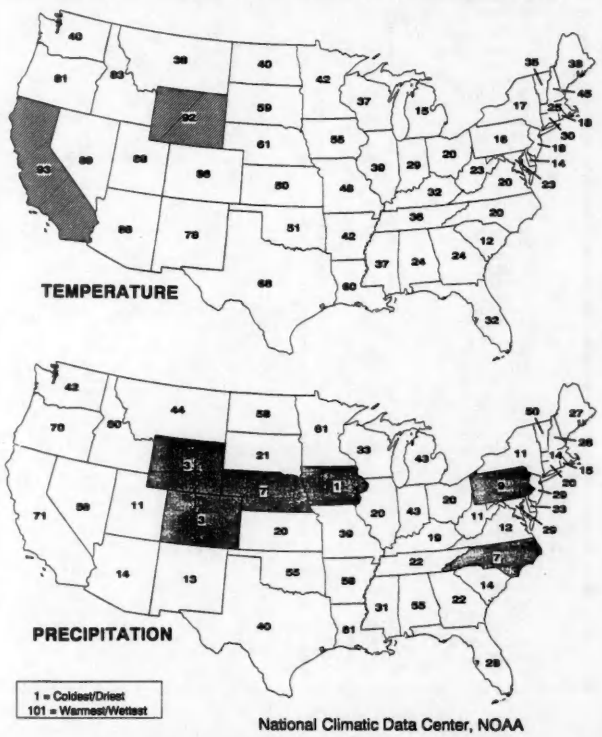
Figure 4



Temperature and Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1995. States having a rank of top ten coldest or driest (rank 1-10) or top ten warmest or wettest (rank 92-101) are shaded.

January Weather in Historical Perspective

Note to readers: Due to procedural changes at the National Climatic Data Center (NCDC), Asheville, NC, the *Weekly Weather and Crop Bulletin* will no longer publish a monthly "Historical Perspectives" feature. An announcement from NCDC read, in part: "Based on extensive studies conducted over the past year on preliminary precipitation data, it was decided that precipitation ranks will be provided only when final data is incorporated. We apologize for any inconvenience this may cause."

For those who need access to real-time monthly historical data, there are several options. NCDC will continue to provide preliminary monthly temperature rankings. Precipitation rankings will be categorized by region and State as "wet," "mid," or "dry." The data are accessible via Internet (**http://www.ncdc.noaa.gov/publications/cvb/cvb.html**). All other questions or requests for data should be directed to (704) 271-4800 or faxed to (704) 271-4876.

In addition, the Climate Prediction Center (CPC), Camp Springs, MD, is currently computing **experimental** historical temperature and precipitation rankings using different input data and averaging schemes than NCDC. CPC's summaries may be published in future issues of *The Climate Bulletin*, parts of which are available on the Internet at **http://nic.fb4.noaa.gov**, or which may be ordered by calling (301) 763-4670.

Table 1. Temperature/Precipitation Rankings for January 1996
Based on the Period 1895-1996
1 = Driest/Coldest, 102 = Wettest/Hottest

Region	Precipitation	Temperature
Northeast	N/A	24
East North Central	N/A	29
Central	N/A	35
Southeast	N/A	25
West North Central	N/A	31
South	N/A	48
Southwest	N/A	84
Northwest	N/A	70
West	N/A	97
National	N/A	45

Record-Shattering Cold (Addendum to Last Week's Summary)

Preliminary All-Time State Record:

Location	Low/Date	Previous
Greene, RI	-25°F on Feb. 5	-23°F at Kingston, Jan. 11, 1942

Coldest Since...

Location	Temp./Date	Previous
Little Rock, AR	6°F on Feb. 4	-2°F on Dec. 23, 1989
Pittsburgh, PA	-6°F on Feb. 4	-12°F on Jan. 21, 1994

All-Time Station Record:

Location	Low/Date	Previous
Helena, MT	-42°F on Feb. 2	-42°F on Jan. 31, 1893

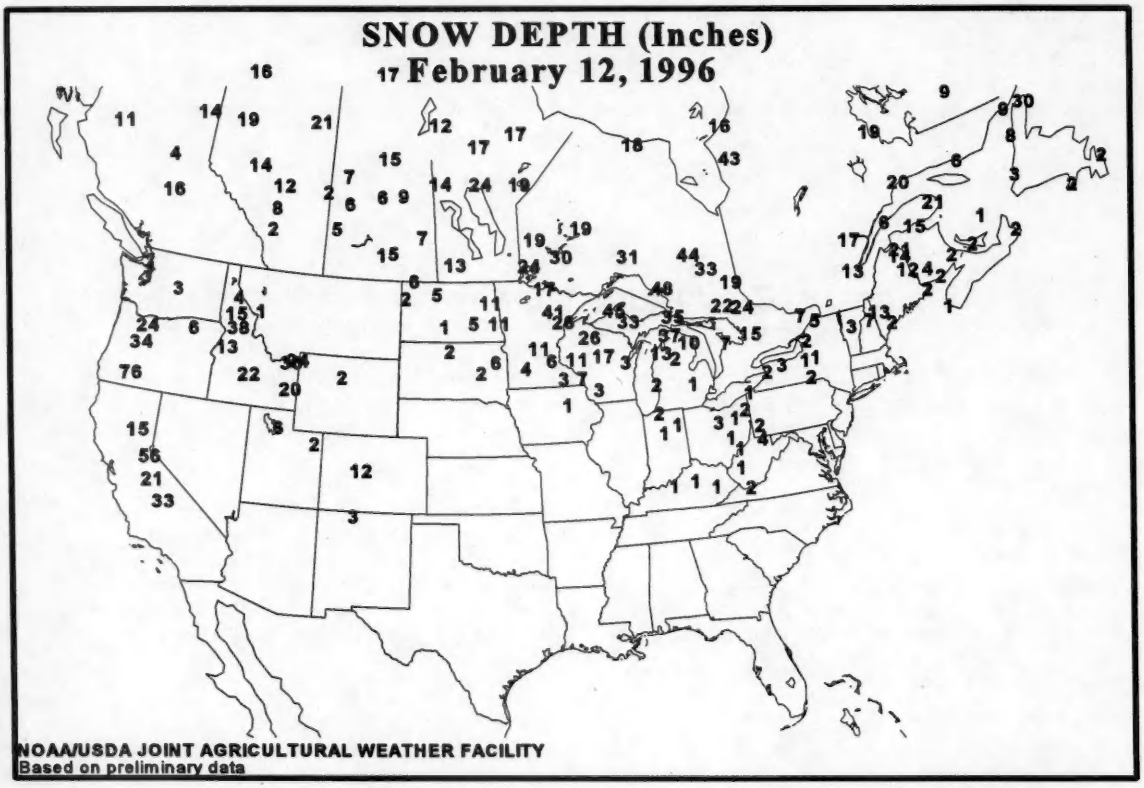
Selected February Records:

Location	Low/Date	Previous
Winona, MS	0°F on Feb. 4	not available
Beckley, WV	-16°F on Feb. 5	not available
Charleston, WV	-12°F on Feb. 5	not available
Bluefield, WV	-12°F on Feb. 5	not available

National Agricultural Summary

HIGHLIGHTS for February 5 - 11, 1996

Unseasonably warm weather and heavy rains melted the snowpack in the Pacific Northwest and caused considerable flooding. Damage to farm buildings and machinery was extensive and surpassed the November - December 1995 flood losses. The extent of the damage to winter crops was unknown, but significant livestock losses were reported. Dry conditions continued in the southern Great Plains and in some areas brought land preparation to a halt. Last week's snow and ice storms did not bring enough moisture to significantly reduce the dry conditions. Producers reported additional damage to the small grains from last week's cold weather. The damage has caused some producers to consider plowing up their wheat to plant other crops. Warm, windy weather in the central Great Plains significantly reduced the protective snow cover for winter wheat. Below-freezing temperatures in Florida's citrus belt burned some leaves, but the extent of fruit icing and overall damage was not considered significant. Dry, warm weather in south Florida helped plants recover from the February 5th freeze. Most vegetable acreage in Dade County and along Florida's southeastern coast benefited from growers' protective measures and escaped serious damage.



International Weather and Crop Summary

February 4 - 10, 1996

HIGHLIGHTS

FSU-WESTERN: Bitterly cold weather continued over winter grain areas.

EUROPE: Severe cold in northeastern Europe threatened winter crops.

NORTHWESTERN AFRICA: Wet weather benefited winter grains in Morocco, Algeria, and Tunisia.

SOUTH AFRICA: Dry weather dominated the corn belt, enhancing growth of reproductive to filling crops.

AUSTRALIA: Showers in eastern Australia benefited pastures and summer crops.

EASTERN ASIA: Seasonably warmer weather allowed winter grains and oilseeds to begin greening across Sichuan and the Yangtze Valley.

SOUTHEAST ASIA: Seasonable showers covered the central and southern Philippines and boosted main-season rice irrigation supplies across Java.

SOUTH AMERICA: In Argentina, variable rain and cool weather eased dryness for corn and soybeans in prime crop areas, but more rain is needed. In southern Brazil, widespread showers continued to benefit reproductive soybeans, but caused some flooding.

January 1996

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
***** = DATA NOT AVAILABLE***

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	DEPART AVG	PRECIPITATION (MM) DEPART F/NRM TOTAL	DEPART F/NRM
NORWAY	OSLO	-6	-10	1	-25	-8	-0.7	37	-22
SWEDEN	STOCKHOLM	-2	-6	2	-20	-4	-1.5	5	-33
FINLND	HELSINKI	-5	-8	1	-20	-6	0.3	6	-36
U KING	GLASGOW	7	4	11	-4	6	2.0	74	-58
	EDINBURGH	7	4	11	-3	5	1.8	26	-32
	BIRMINGHAM	5	3	11	-5	4	0.2	45	-15
	LONDON	7	4	12	-5	5	1.2	71	-7
IRELND	DUBLIN	8	5	12	-3	6	1.0	87	18
ICELND	REYKJAVIK	4	1	8	-5	2	2.8	89	13
DENMRK	COPENHAGEN	-1	-3	2	-13	-2	-1.9	1	-48
LUXEMB	LUXEMBOURG	1	-2	9	-7	-1	-1.0	7	-65
SWITZL	ZURICH	1	-2	8	-5	0	-0.1	9	-59
	GENEVA	4	2	9	-2	3	2.1	43	-37
FRANCE	PARIS/ORLY	7	2	14	-5	4	***	35	**
	STRASBOURG	1	-2	8	-6	0	-1.0	7	-29
	BOURGES	9	3	14	-3	6	2.6	75	15
	BORDEAUX	13	7	15	3	10	4.3	96	0
	TOULOUSE	13	7	17	1	10	4.8	50	-3
	MARSEILLE	14	8	18	1	11	4.8	134	88
SPAIN	VALLADOLID	10	4	14	1	7	3.2	111	64
	MADRID	11	5	14	0	8	2.9	112	61
	SEVILLE	16	10	20	5	13	1.9	292	228
PORTUG	LISBON	15	10	18	7	12	1.2	400	281
GERMNY	HAMBURG	-1	-5	8	-13	-3	-3.5	1	-61
	BERLIN	-2	-6	5	-14	-4	-3.9	1	-42
	DUSSELDORF	3	-1	11	-9	1	-0.9	2	-61
	LEIPZIG	-2	-6	7	-14	-4	-3.8	1	-33
	DRESDEN	-2	-6	6	-15	-4	-2.5	1	-37
	STUTTGART	1	-3	8	-9	-1	-0.9	4	-45
	NURNBERG	0	-5	7	-12	-3	-1.9	8	-37
AUSTRI	VIENNA	-2	-4	7	-17	-3	-1.8	61	33
	INNSBRUCK	5	-3	14	-10	1	2.6	24	-24
CZECH	PRAGUE	-3	-6	3	-13	-5	-2.4	7	-16
POLAND	WARSAW	-4	-8	5	-18	-6	-2.6	4	-17
	LODZ	-3	-7	7	-18	-5	-2.7	17	-21
	KATOWICE	-3	-7	12	-17	-5	-2.3	20	-22
	PRZEMYSL	-4	-8	8	-20	-6	-2.9	27	-2
HUNGAR	BUDAPEST	0	-4	6	-9	-2	-0.6	32	0
F YUGO	BELGRADE	2	-2	10	-6	0	-0.2	44	-5
ROMANI	BUCHAREST	-1	-5	5	-16	-3	-0.7	32	-14
BULGAR	SOFIA	1	-4	7	-12	-1	0.2	19	-20
ITALY	MILAN	6	2	13	-2	4	3.2	93	30
	VERONA	6	1	13	-5	4	2.0	120	41
	VENICE	8	3	15	-4	5	2.9	39	-22
	GENOA	11	6	17	3	8	0.6	375	286
	ROME	15	7	19	-1	11	2.5	77	-7
	NAPLES	15	8	20	1	11	3.0	88	-17
GREECE	THESSALONIKA	8	4	13	-4	6	0.5	75	35
	LARISSA	9	4	16	-7	6	1.2	63	4
	ATHENS	12	8	17	1	10	-0.4	45	-11
TURKEY	ISTANBUL	7	3	14	-3	5	-0.3	51	-35
	ANKARA	4	-3	11	-13	1	0.1	23	-9
CYPRUS	LARNACA	16	8	19	2	12	-0.1	98	4
ESTONI	TALLINN	-5	-8	-1	-21	-6	-0.9	9	-41
FSU	ST.PETERSBRG	-5	-9	-1	-19	-7	0.7	20	-16
LITHUA	KAUNAS	-6	-10	1	-20	-8	-2.9	27	-9
FSU	MINSK	-7	-11	-2	-23	-9	-2.3	57	19
	KAZAN	**	**	-7	-24	**	***	**	**
	MOSCOW	-8	-12	-3	-22	-10	-1.1	18	-23
	YEKATERINBURG	-12	-16	-7	-27	-14	0.0	11	-12
	OMSK	-18	-24	-8	-37	-21	-3.6	17	-5
	KUSTANAY	-16	-23	-7	-35	-19	-2.8	13	-4
	NOVOSIBIRSK	-19	-24	-5	-37	-21	-1.8	20	0
	BARNAUL	-17	-25	-2	-36	-21	-6.3	35	11
	KHABAROVSK	-16	-25	-4	-35	-21	0.2	5	-7
	VLADIVOSTOK	-8	-14	2	-26	-11	2.2	5	-7
	KIEV	-7	-12	-3	-18	-10	-4.3	35	-6
	LVOV	-5	-10	1	-20	-7	-3.0	28	-9
	KIROVOGRAD	-7	-11	1	-22	-9	-3.8	34	-1
	ODESSA	-4	-7	1	-15	-5	-3.8	21	-23

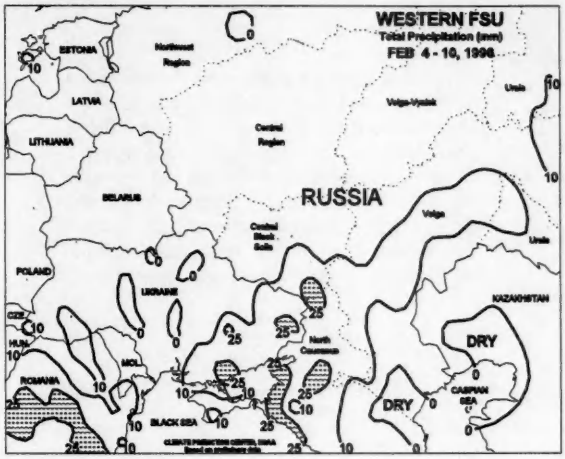
Based on Preliminary Reports

January 1996

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEPART F/NRM	PRECIPITATION (MM) TOTAL	DEPART F/NRM
FSU	YALTA	5	1	11	-5	3	-0.8	81	15
	SARATOV	-12	-16	-5	-20	-14	-3.0	14	-20
	KHARKOV	-8	-12	-2	-20	-10	-3.4	20	-24
	VOLGOGRAD	-10	-16	-2	-22	-13	-4.4	18	-18
	ROSTOV	-6	-11	-1	-16	-9	-4.0	8	-44
	ASTRAKHAN	-2	-11	2	-18	-7	-1.4	7	-6
	KRASNODAR	1	-5	6	-14	-2	-1.9	16	-50
	ORENBURG	-16	-23	-8	-29	-19	-5.9	36	9
	TSELINOGRAD	-17	-24	-5	-38	-21	-3.4	19	12
	KARAGANDA	-15	-23	-6	-36	-19	-5.8	8	-11
	TBILISI	4	-1	14	-6	**	***	21	1
	TASHKENT	5	-3	18	-14	1	-0.8	16	-37
	ASHKHABAD	7	-4	19	-13	2	-0.5	6	-19
SYRIA	DAMASCUS	12	2	18	-4	7	0.9	48	14
ISRAEL	JERUSALEM	**	**	28	14	**	***	**	**
PAKIST	KARACHI	25	11	29	6	18	0.2	13	7
INDIA	AMRITSAR	19	5	23	2	12	0.2	33	8
	NEW DELHI	21	8	24	5	15	0.5	7	-10
	AHMEDABAD	28	14	31	8	21	0.7	0	-2
	INDORE	27	12	32	7	19	1.4	17	12
	CALCUTTA	26	14	30	9	20	0.2	13	2
	VERAVAL	29	16	33	11	23	1.0	18	17
	BOMBAY	30	17	34	14	24	0.3	1	1
	POONA	31	13	33	8	22	1.3	0	0
	BEGAMPET	30	17	33	15	24	1.8	0	-5
	VISHAKHAPATNAM	28	22	29	19	25	***	0	**
	MADRAS	30	21	32	19	25	0.7	2	-25
	MANGALORE	34	21	35	20	28	0.9	0	-5
H KONG	KINGS PEAK	21	15	26	11	18	***	0	**
N KREA	PYONGYANG	-1	-14	8	-21	-7	1.6	18	9
S KREA	SEOUL	2	-6	10	-11	-2	3.1	18	1
JAPAN	SAPPORO	-1	-6	5	-13	-4	0.7	163	55
	NAGOYA	9	1	14	-3	5	1.4	22	-22
	TOKYO	10	3	20	0	7	1.6	13	-32
	YOKOHAMA	10	3	20	0	7	1.7	19	-42
	KYOTO	9	2	15	-2	5	1.4	38	-19
	OSAKA	10	4	15	-1	7	1.3	37	-10
THAILN	PHETCHABUN	33	16	35	9	25	1.8	0	-9
	BANGKOK	32	23	35	17	28	1.3	0	-8
MALAYS	KUALA LUMPUR	32	23	35	22	28	1.5	271	107
VIETNM	HANOI	20	14	26	8	17	0.2	8	-10
CHINA	HARBIN	-10	-20	1	-28	-15	5.2	0	-3
	HAMI	-5	-19	1	-23	-12	-1.7	1	0
	LANCHOW	1	-9	7	-12	-4	1.9	0	-1
	BEIJING	3	-6	8	-10	-2	2.4	0	-2
	TIENTSIN	2	-8	7	-10	-3	0.6	2	-1
	LHASA	9	-6	18	-11	1	2.9	0	0
	KUNMING	16	3	19	1	10	1.9	0	-13
	CHENGCHOW	6	-4	17	-10	1	0.2	1	-12
	YEHCHANG	8	2	21	-2	5	0.7	27	7
	HANKOW	8	2	19	-2	5	1.7	58	24
	CHUNGKING	8	5	12	2	7	***	25	**
	CHIHKIANG	8	2	22	-3	5	0.5	48	9
	WU HU	7	0	17	-4	4	***	96	**
	SHANGHAI	8	2	18	-4	5	***	91	**
	NANCHANG	9	3	19	-1	6	1.1	128	72
	TAIPEI	18	14	25	9	16	0.8	20	-70
	CANTON	18	11	25	6	15	1.2	15	-29
	NANNING	15	9	25	6	12	-0.4	13	-22
CNRY I	LAS PALMAS	23	16	25	8	19	2.0	28	12
MOROCC	CASABLANCA	18	12	24	9	15	2.7	312	247
	MARRAKECH	18	10	27	6	14	2.5	110	86
ALGERI	ALGER	19	10	25	5	15	3.7	92	-4
	BAINA	**	**	22	-3	**	***	**	**
TUNISI	TUNIS	17	10	22	4	14	2.1	67	-6
NIGER	NIAMEY	35	18	38	14	26	2.2	0	0
MALI	TIMBUKTU	33	17	40	12	25	3.7	0	0
	BAMAKO	35	20	40	16	28	2.8	0	0
MAURIT	NOUAKCHOTT	31	16	37	11	23	2.2	0	0
SENEGL	DAKAR	26	18	33	16	22	1.3	0	-2
CHAG A	DIEGO GARCIA	30	26	32	21	28	0.7	314	-13
LIBYA	TRIPOLI	19	10	24	6	14	2.3	24	-35
	BENGHAZI	17	10	20	6	13	0.7	47	-18
EGYPT	CAIRO	19	10	26	6	15	0.7	3	-3
	ASWAN	24	10	31	4	17	1.3	0	0

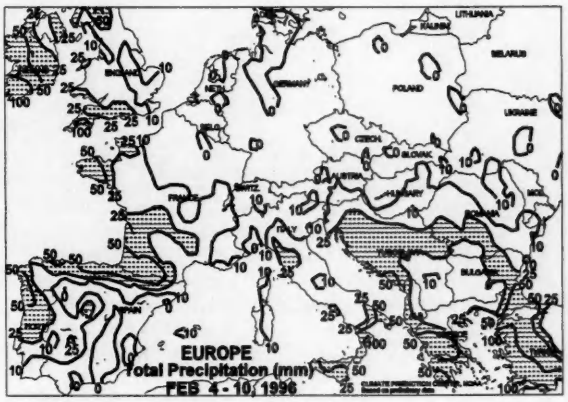
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEPART F/NRM	PRECIPITATION (MM) TOTAL	DEPART F/NRM
ETHIOP	ADDIS ABABA	23	9	27	5	16	0.2	36	11
KENYA	NAIROBI	28	13	31	9	21	1.3	38	-4
TANZAN	DAR ES SALAAM	32	25	33	22	29	1.2	28	-57
TOGO	LOME	33	25	33	23	29	2.0	0	-14
B FASO	OUAGADOUGOU	36	18	40	14	27	2.5	0	0
IVRY C	ABIDJAN	31	25	37	22	28	1.3	0	-17
MOZAMB	MAPUTO	**	**	36	19	**	***	**	**
ZAMBIA	LUSAKA	**	**	30	16	**	***	131	-99
ZIMBAB	HARARE	26	17	30	13	21	0.9	287	95
S AFRI	PRETORIA	28	18	33	13	23	0.6	246	111
	JOHANNESBURG	25	14	30	8	20	0.2	173	48
	BEIHAL	25	14	30	7	20	0.3	84	-50
	DURBAN	27	21	31	16	24	0.1	410	276
	CAPE TOWN	27	16	34	11	22	1.4	2	-12
CANADA	TORONTO	-2	-11	12	-22	-7	-0.1	73	27
	MONTREAL	-6	-16	13	-28	-11	-0.3	79	16
	WINNIPEG	-18	-28	3	-39	-23	-4.6	6	-13
	REGINA	-17	-27	4	-37	-22	-5.2	12	-3
	SASKATOON	-19	-30	6	-42	-25	-7.2	20	4
	LETHERIDGE	-6	-22	12	-39	-14	-5.8	13	-7
	CALGARY	-10	-21	12	-36	-16	-6.6	28	16
	EDMONTON	-12	-24	10	-38	-18	-5.5	4	-19
	VANCOUVER	5	0	13	-12	3	-0.1	160	10
MEXICO	GUADALAJARA	22	5	30	2	14	-1.9	0	-12
	MEXICO CITY	23	7	26	3	15	2.6	0	-5
	ACAPULCO	31	21	33	17	26	-0.3	0	-5
BERMUD	ST. GEORGES	19	16	22	11	17	-0.6	164	39
BAHAMA	NASSAU	25	18	29	10	22	0.6	22	-24
JAMAIC	KINGSTON	31	24	34	21	28	1.8	5	-18
P RICO	SAN JUAN	29	22	31	20	26	0.6	146	75
GUADEL	RAIZET	30	21	31	18	25	1.3	35	-23
MARINQ	LAMENTIN	29	22	30	17	26	1.5	56	-58
BARBAD	BRIDGETOWN	30	23	31	19	26	0.9	16	-47
TRINID	PORT OF SPAIN	32	22	35	18	27	2.0	41	-26
COLOMB	BOGOTA	20	4	22	-1	12	-1.2	48	15
VENEZU	CARACAS	30	22	31	18	26	1.5	23	-8
F GUIA	CAYENNE	29	23	32	22	26	0.7	508	80
BRAZIL	FORTALEZA	30	24	30	22	27	-0.2	104	-27
	RECIFE	29	25	30	22	27	0.2	99	8
	BELO HORIZONTE	29	20	32	17	25	1.5	170	-128
	CAMPO GRANDE	29	21	33	19	25	0.1	228	-57
	FRANCA	27	19	31	17	23	4.1	201	-96
	LONDRINA	**	21	33	19	**	***	208	-15
	SANTA MARIA	30	20	37	16	25	0.2	446	301
	PORTO ALEGRE	30	21	37	15	25	0.4	389	270
PERU	LIMA	26	19	28	18	23	0.0	0	0
BOLIVI	LA PAZ	14	4	19	2	9	-0.3	183	40
CHILE	SANTIAGO	29	11	33	9	20	-0.8	1	1
ARGENT	IGUAZU	32	21	35	17	27	***	170	**
	FORMOSA	34	23	41	18	28	0.9	163	17
	CERES	30	18	36	15	24	-1.3	198	68
	CORDOBA	29	17	37	14	23	-0.7	151	25
	RIO CUARTO	28	17	35	13	23	-0.4	72	-55
	ROSARIO	30	18	35	12	24	-0.3	54	-51
	BUENOS AIRES	30	17	36	10	24	0.3	5	-91
	SANTA ROSA	30	16	37	9	23	-0.7	190	118
	TRES ARROYOS	28	14	40	5	21	-0.1	67	-13
N CALD	NOUMEA	31	24	34	21	28	1.8	71	-42
FIJI	NAUSORI	29	23	32	22	26	0.2	444	126
SAMOA	PAGO PAGO	32	25	34	24	28	1.2	301	-34
TAHITI	PAPEETE	31	24	33	22	27	0.6	98	-219
PA N G	PORT MORESBY	31	24	34	23	27	-0.1	190	-101
AUSTRL	DARWIN	31	26	33	24	28	0.1	302	-127
	BRISBANE	28	22	32	19	25	-0.5	256	88
	PERTH	30	17	39	13	23	-0.9	2	-7
	CEDUNA	25	14	44	9	19	-2.5	0	-10
	ADELAIDE	25	14	41	11	20	-2.0	20	-16
	MELBOURNE	23	13	38	9	18	-1.7	18	-22
	WAGGA	29	16	38	8	22	-1.4	74	27
	CANBERRA	25	13	33	6	19	-1.3	76	22
INDONE	DJAKARTA	30	23	33	21	27	0.7	419	**
PHILIP	MANILA	29	22	32	20	26	-0.3	7	-12

Based on Preliminary Reports



FSU-WESTERN

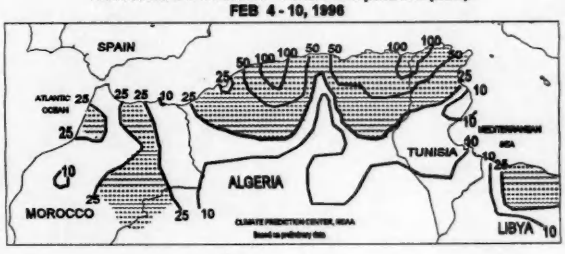
Bitterly cold weather continued over winter grain areas in Russia, Ukraine, Belarus, and the Baltics and was accompanied by light snow or flurries. Greatest amounts of snow (10-25 mm liquid equivalent) fell over the eastern Ukraine, North Caucasus, and the lower Volga Valley. Precipitation amounts over the remainder of the region ranged from 2 to 10 mm. Lowest temperatures during the week were reported in northern Russia, Belarus, and the Baltics, where minimum temperatures ranged from -25 to -36 degrees C. Some localized damage to winter grains in these areas was possible, especially in Belarus and the Baltics where snow cover was not as deep as that farther east in northern Russia. In traditional winter wheat areas of Ukraine and southern Russia, minimum temperatures ranged from -9 to -25 degrees C. An adequate snow cover in these areas protected the crop from potential winterkill.



EUROPE

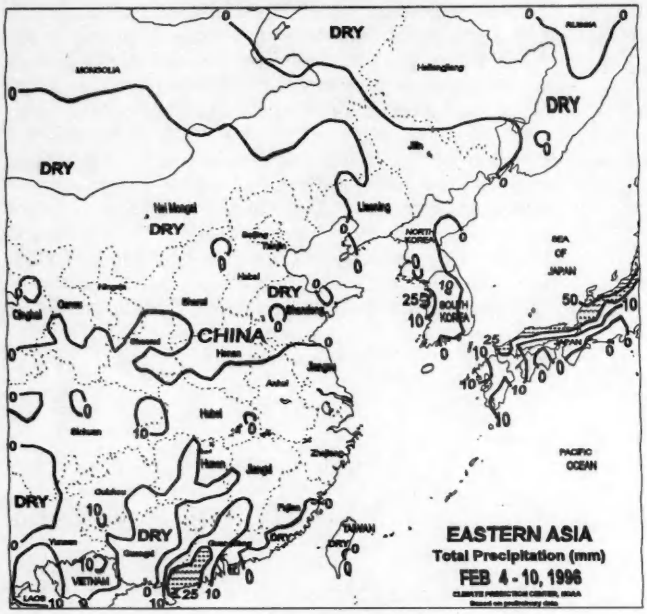
Stormy weather covered western and southern Europe during the week, while severe cold settled in over crop areas in the northeast. Snow (10-25 mm liquid equivalent) blanketed winter grains in England, northern France, Italy, Hungary, former Yugoslavia, and Romania, providing a protective snow cover. Welcomed drier weather prevailed over the Iberian peninsula, where rainfall ranged from 3 to 25 mm, with local amounts exceeding 25 mm. Severe cold extended from northeastern Germany eastward through Poland, where extreme minimum temperatures ranged from -17 to -25 degrees C. Variable snow cover in these areas increased the likelihood for some crop damage, especially to winter rapeseed and winter barley which are less resistent to extreme cold than winter wheat or rye. Weekly temperatures averaged 7 to 9 degrees C below normal over northeastern Europe.

NORTHWEST AFRICA Total Precipitation (mm)
FEB 4 - 10, 1996



NORTHWESTERN AFRICA

Showers (10-25 mm) continued over winter grain areas in Morocco, but precipitation amounts tapered off from the heavy rainfall of previous weeks. The precipitation maintained abundant soil moisture levels for crop development. Moderate to occasionally heavy rain (25-100 mm) over Algeria and Tunisia boosted soil moisture levels depleted by previous dryness. Although winter grains over most of the region are well-watered, timely rains will still be needed during the reproductive phase of development, typically from mid-March to mid-April, to maintain current favorable crop prospects.

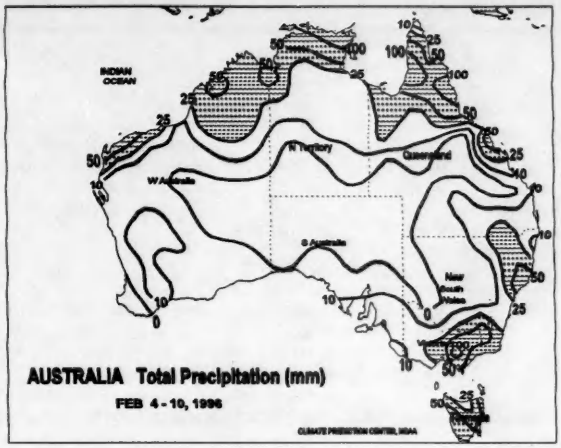


EASTERN ASIA

Seasonably warmer weather allowed winter grains and oilseeds to begin greening across Sichuan and the Yangtze Valley. Temperatures were still cool enough (weekly average temperatures below 5 degrees C) to keep winter wheat dormant across the North China Plain. Typically, winter wheat breaks dormancy from late-February across the southern North China Plain (northern Anhui and Jiangsu) to mid-March in the north (Shanxi and central Hebei).

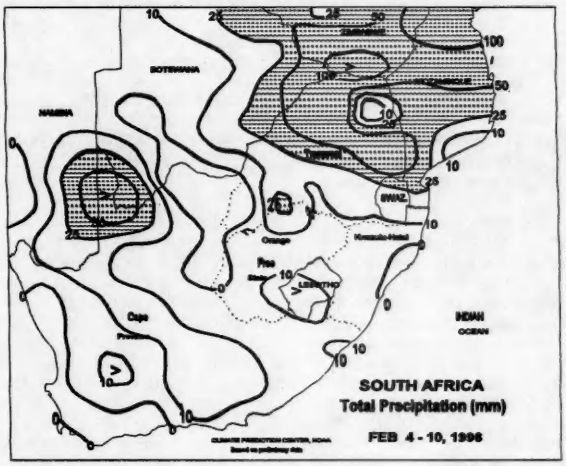
SOUTHEAST ASIA

Seasonable heavy showers (25-125 mm, with isolated amounts greater than 200 mm) covered most of the Philippines (southern Luzon southward into Mindanao), maintaining irrigation supplies for secondary crops. The rain possibly caused isolated flooding across the east-central Islands, which had been plagued by excessive moisture. In Vietnam, little or no rain fell across the primary rice areas, but rainfall the past several weeks has increased irrigation supplies for winter-spring rice. In Java, widespread showers (30-125 mm) boosted irrigation supplies for main-season rice.



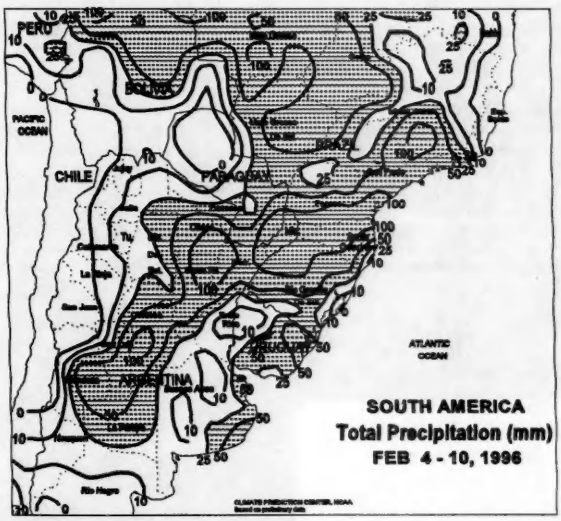
AUSTRALIA

Light to moderate rain (5-25 mm or more, exceeding 50 mm locally) fell throughout eastern Australia. In the main crop areas, heaviest rain fell from southeastern Queensland to Victoria, benefiting pastures, cotton, sorghum, and sugarcane. Dry pockets lingered, however, in Queensland's northern summer crop areas. In the south, showers (5-21 mm) benefited pastures as far west as South Australia and ended a brief heat wave. Weekly temperatures averaged near to below normal, but highs ranged from 35 to 42 degrees C prior to the frontal passage. In New Zealand, moderate to heavy rain (15-50 mm or more) benefited pastures in North Island and northern South Island.



SOUTH AFRICA

Dry weather dominated the corn belt, with only a few locations reporting more than 15 mm of rainfall. In the west, temperatures averaged near to above normal, with highs reaching the mid 30's C in western crop areas of Orange Free State and North West. Near-normal temperatures prevailed in the eastern corn belt with highs approaching 30 C. Corn was reproductive to filling and needed the warmer weather for crop growth. The exception was the far west where hot, dry weather caused some stress. In Kwazulu-Natal, dry weather prevailed for the second week, favoring sugarcane that had recently experienced some flooding.



SOUTH AMERICA

In Argentina, variable showers brought additional relief to summer crops. The main soybean areas of southern Santa Fe and northern Buenos Aires received 5 to 20 mm, just enough to meet current crop water demand, but insufficient to recharge soil moisture. Favorably cool weather (weekly temperatures averaging 1-4 degrees C below normal) across central Argentina helped to ease crop water demand. Farther west, in northern La Pampa and southern Cordoba, widespread showers (30-60 mm, with an isolated amount greater than 150 mm) boosted soil moisture for reproductive soybeans and filling corn. Across northern Argentina, heavy showers (75-150 mm) aided late-filling cotton but caused some local flooding. In southern Brazil, widespread showers (25-75 mm) covered most crop areas, aiding reproductive soybeans. Heavier showers (100-150 mm) fell across northwestern Rio Grande do Sul, western Santa Catarina, and southern Parana, keeping soil moisture levels high, but also causing local flooding. Presently, the wet weather should have little impact on corn and soybeans, but could affect cotton that is nearing maturation. Temperatures averaged near normal across extreme southern Brazil and 2 to 3 degrees C above normal across the rest of southern Brazil. In southern Paraguay, widespread rain (20-50 mm, with isolated amounts greater than 100 mm) favored soybeans and cotton.

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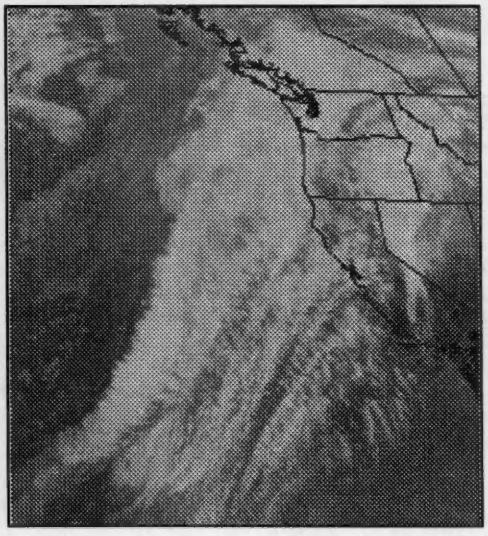

GOES-9 IR, February 8, 1996, 18:00 UTC

(Continued from front cover)
Arctic air reached the **Gulf Coast States** early in the week, setting all-time barometric pressure readings in **Baton Rouge, LA** (30.82 inches on February 4) and **Tallahassee, FL** (30.74 inches on February 5). On Sunday, daily records included -10°F in **Parkersburg, WV** and -11°F in **Tulsa, OK**, their lowest temperature since January 1930 and sixth lowest all-time. Temperatures rebounded across the **High Plains** and **Midwest**, however, as the mercury reached 52°F in **Pueblo, CO** after a low of -14°F, while a stretch of sub-zero weather ended at a record 139 hours in **Waterloo, IA.**

On Monday, February records were tied or broken in about a dozen locations, including **Elkins, WV** (-22°F), **Bristol, TN** (-15°F), **Raleigh-Durham, NC** (0°F), and **New Orleans, LA** (16°F). For the third time this season (also December 25 and January 9), sub-freezing temperatures reached into **southwestern Florida**, where lows dipped to 29°F in **Ft. Myers** and 27°F in **Immokalee.** In **west-central Florida**, both **Tampa** and **Plant City** recorded lows of 25°F. Citrus trees incurred only minor leaf damage with icing reported in some fruit. Some ground crops in **west-central and southwestern Florida** were severely damaged.

Heavy rain arrived in **California** on Sunday, but shifted northward a day later. In **central California**, 72-hour (February 2-5) rainfall reached 6.48 inches in **Kentfield** and 7.25 inches at **Blue Canyon.** Farther north, severe flooding struck **western Oregon**, where early-February totals along the **Williamette River** reached 9.55 inches in **Eugene**, 8.44 inches in **Salem**, and 7.12 inches in **Portland.** On Friday, after rain ended across the **Northwest**, the **Williamette River** crested about 18 feet above flood stage (a.f.s.) at **Oregon City.** In **southwestern Washington**, crests on the **Cowlitz River** at **Randle** (6.2 feet a.f.s) and **Castle Rock** (9.1 feet a.f.s) broke records that were set on November 30, 1995, while the high-water mark at **Kelso** (9.0 feet a.f.s) shattered the record set during the "100-year flood" of late-November 1990. Several gauging stations along the **Chehalis and Skookumchuck Rivers** set crest records that had stood since January 10, 1990. **East of the Cascades**, several towns along the **Yakima River** broke crest records on February 9-10 that had stood since December 1933 or December 1977. Rain and snowmelt also caused significant flooding in **northern Idaho** and **western Montana.**

On Wednesday, temperatures soared to daily-record levels in the **central Plains**, where highs reached 72°F at both **McCook, NE** and **Hill City, KS.** Farther west, **Thermal, CA** notched 95°F. Despite wetness, record warmth also covered the **Northwest** on Thursday, as highs in **Oregon** climbed to 70°F in **Medford** and 62°F in **Salem.** Warmth intensified across the **Plains** on February 9, pushing highs to 70°F as far north as **Billings, MT** and to 80°F as far north as **McCook, NE.** In **Colorado, Pueblo's** high of 78°F came just 6 days after a low of -26°F.

At week's end, a dynamic low-pressure system tracked eastward across the **Nation's northern tier**, trailed by a Pacific-origin high-pressure system. Between circulation centers, high winds raked the **Midwest** and the **Plains.** Northerly component wind gusts reached 66 mph in **Aberdeen, SD**, 56 mph in **Ft. Wayne, IN**, and 53 mph in both **North Platte, NE** and **Midland, TX.** Before the cooler air reached **Texas**, daily-record highs included 85°F in **San Angelo** and 87°F in **Abilene.** Meanwhile on **Michigan's Upper Peninsula**, snowfall on Saturday totaled 5.8 inches in **Marquette** and 7.3 inches in **Sault Sainte Marie**, padding their all-time record seasonal total to 190.9 inches.

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